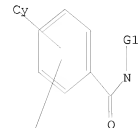


L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

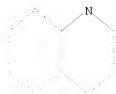
L1 STR



G2

G1 H, Ak

G2 N, Hy



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 08:00:23 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 24397 TO ITERATE

8.2% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 478592 TO 497288

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 08:00:45 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 490706 TO ITERATE

100.0% PROCESSED 490706 ITERATIONS

140 ANSWERS

SEARCH TIME: 00.00.06

L3 140 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

178.82

179.03

FILE 'CAPLUS' ENTERED AT 08:00:55 ON 16 JUN 2008

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FILE LAST UPDATED: 15 Jun 2008 (20080615/ED)

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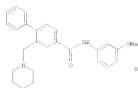
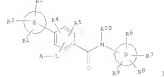
<http://www.cas.org/legal/infopolicy.html>

=> s L3

L4 7 L3

=> d ibib abs hitstr tot

14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS ON STN (Continued)



AS Tattle comds. I [A = NK1312, etc.; R₁, R₂ = H, halo, etc.; R₃ = alkylmer ring S, E = mono- or diepyle hydrocarbon ring, etc.; R₄-R₉ = halo, etc.; R₁₀ = H, alkyl] were prepared. For example, HBTU-mediated acylation of 3-methoxyaniline with 2-(piperidin-3-ylmethyl)biphenyl-4-carboxylic acid followed by treatment with HCl afforded compound II. In

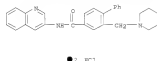
VR3 receptor binding assays, compound II exhibited the IC₅₀ value of 51 nM. Comps. I are claimed useful as VR1 activation inhibitors for the treatment of pain.

27
 81420-54-3P 81420-54-3P 81420-92-7P
 81420-54-4P 81420-54-5P 81420-36-2P
 81420-47-5P 81420-48-7P 81420-50-0P
 81420-50-1P 81420-50-2P 81420-70-9P
 81420-79-3P 81420-80-6P 81420-81-7P
 81420-80-9P 81420-84-0P 81420-89-5P
 81420-90-8P 81420-91-9P 81420-93-1P
 81420-96-7P 81420-97-9P 81420-99-7P
 81420-01-4P 81420-05-8P 81420-08-1P
 81420-09-2P 81420-12-7P 81420-14-9P
 81420-18-3P 81420-18-4P 81420-20-7P
 81420-21-8P 81420-22-3P 81420-23-0P
 81420-25-2P 81420-26-3P 81420-27-6P
 81420-28-5P 81420-29-6P 81420-30-9P
 81420-34-3P 81420-35-4P 81420-36-5P

14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS ON STN (Continued)

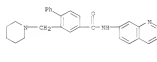


RS 81420-56-3 CAPLUS
 CN [1,3'-Biphenyl]-4-carboxamide, 2-(1-piperidinylmethyl)-N-3-quinolinyl-, hydrochloride (1:2) (CA INDEX NAME)



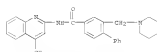
● 2 HCl

RS 81420-92-7 CAPLUS
 CN [1,3'-Biphenyl]-4-carboxamide, 2-(1-piperidinylmethyl)-N-7-quinolinyl-, hydrochloride (1:2) (CA INDEX NAME)



● 2 HBr

RS 81420-14-6 CAPLUS
 CN [1,3'-Biphenyl]-4-carboxamide, N-(4-hydroxy-2-quinolinyl)-2-(1-piperidinylmethyl)- (CA INDEX NAME)



RS 81420-19-0 CAPLUS
 CN [1,3'-Biphenyl]-4-carboxamide, 2-(1-piperidinylmethyl)-N-(1,2,3,4-tetrahydro-2-oxo-7-quinolinyl)-, hydrochloride (1:1) (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS ON STN (Continued)

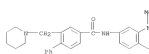
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 81422-40-1P 81422-41-2P 81422-42-3P
 81422-43-4P 81422-44-7P 81422-47-8P
 81422-48-9P 81422-51-4P 81422-52-5P
 81422-53-1P 81422-54-4P 81422-54-5P
 81422-67-2P 81423-16-4P, N-(1-Methyl-2-oxo-1,2,3,4-tetrahydroquinolin-7-yl)-2-(piperidin-3-ylmethyl)biphenyl-4-carboxamide
 81423-18-4P, N-(1-Methyl-2-oxo-3,2-dihydroquinolin-7-yl)-2-(piperidin-3-ylmethyl)biphenyl-4-carboxamide
 81423-20-5P, N-(5-Methyl-2-oxo-1,2-dihydroquinolin-7-yl)-2-(piperidin-3-ylmethyl)biphenyl-4-carboxamide
 81423-22-2P,

2-[[[Ethyl(1-tetrahydro-2H-pyran-4-yl)amino]methyl]-N-(1-methyl-2-oxo-1,2,3,4-tetrahydroquinolin-7-yl)biphenyl-4-carboxamide, 81423-23-3P, N-(1-Methyl-2-oxo-1,2,3,4-tetrahydroquinolin-7-yl)-3-(piperidin-1-ylmethyl)-4-(2-thienyl)benzamide, 81423-24-4P, 2-[[[Ethyl(1-tetrahydro-2H-thiopyran-4-yl)amino]methyl]-N-(1-methyl-2-oxo-1,2,3,4-tetrahydroquinolin-7-yl)biphenyl-4-carboxamide
 81423-26-4P, N,N-Diethyl-4-[[4-[[1-(1-methyl-2-oxo-1,2,3,4-tetrahydroquinolin-7-yl)amino]benzyl]biphenyl-2-yl]methyl]morpholine-3-carboxamide
 RU PAC (Pharmacological activity); RUH (Synthetic preparation); RUH (Therapeutic use); RUH (Biological study); RUH (Preparation); RUH (Uses)

(Prep. of benzamide deriv. as capsaicin receptor VR1 activation inhibitors for treatment of pain)

RS 81420-54-3 CAPLUS
 CN [1,3'-Biphenyl]-4-carboxamide, 2-(1-piperidinylmethyl)-N-(1,2,7,4-tetrahydro-3-methyl-2-oxo-7-quinolinyl)-, ethanolate (1:1) (CA INDEX NAME)
 CN 1

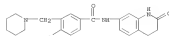
RS 81420-53-0
 CN CIP RUS NO



● 2 HCl

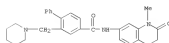
RS 144-42-4
 CN CIP RUS NO

14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS ON STN (Continued)



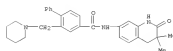
● 2 HCl

RS 81421-36-2 CAPLUS
 CN [1,3'-Biphenyl]-4-carboxamide, 2-(1-piperidinylmethyl)-N-(1,2,3,4-tetrahydro-3-methyl-2-oxo-7-quinolinyl)-, hydrochloride (1:1) (CA INDEX NAME)



● 2 HCl

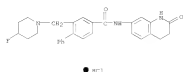
RS 81421-47-5 CAPLUS
 CN [1,3'-Biphenyl]-4-carboxamide, 2-(1-piperidinylmethyl)-N-(1,2,3,4-tetrahydro-3,3-dimethyl-2-oxo-7-quinolinyl)-, hydrochloride (1:1) (CA INDEX NAME)



● 2 HCl

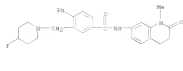
RS 81421-69-7 CAPLUS
 CN [1,3'-Biphenyl]-4-carboxamide, 2-[[4-(1-cyano-3-piperidinyl)methyl]-N-(1,2,3,4-tetrahydro-2-oxo-7-quinolinyl)-], hydrochloride (1:1) (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



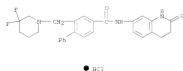
● BC1

HN 813421-10-0 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, 2-((4-fluoro-1-piperidinyl)methyl)-N-(1,2,3,4-tetrahydro-2-methyl-2-oxo-7-quinolyl))-, hydrochloride (11i) (CA INDEX NAME)



● BC1

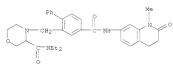
HN 813421-11-1 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, 2-((3,5-difluoro-1-piperidinyl)methyl)-N-(1,2,3,4-tetrahydro-2-oxo-7-quinolyl))-, hydrochloride (11i) (CA INDEX NAME)



● BC1

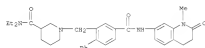
HN 813421-12-2 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, 2-((2,6-difluoro-1-piperidinyl)methyl)-N-(1,2,3,4-tetrahydro-2-methyl-2-oxo-7-quinolyl))-, hydrochloride (11i) (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



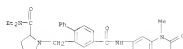
● BC1

HN 813421-82-6 CAPLUS
CN 3-piperidinecarboxamide,
N,N-diethyl-1-[[4-[[1,1',2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]amino]carbonyl][1,1'-biphenyl]-2-yl]methyl]-,
hydrochloride (11i) (CA INDEX NAME)



● BC1

HN 813421-81-7 CAPLUS
CN 2-pyrrolidinecarboxamide,
N,N-diethyl-1-[[4-[[1,1',2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]amino]carbonyl][1,1'-biphenyl]-2-yl]methyl]-,
hydrochloride (11i) (CA INDEX NAME)

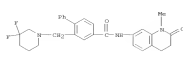


● BC1

HN 813421-82-8 CAPLUS

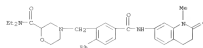
Habe

14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● BC1

HN 813421-78-2 CAPLUS
CN 3-Norphenylisocarbamide,
N,N-diethyl-4-[[4-[[1,1',2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]amino]carbonyl][1,1'-biphenyl]-2-yl]methyl]-,
hydrochloride (11i) (CA INDEX NAME)

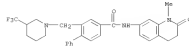


● BC1

HN 813421-79-3 CAPLUS
CN 3-Norphenylisocarbamide,
N,N-diethyl-4-[[4-[[1,1',2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]amino]carbonyl][1,1'-biphenyl]-2-yl]methyl]-,
hydrochloride (11i) (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CN [1,1'-Biphenyl]-4-carboxamide, N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl)-2-[[3-(trifluoromethyl)-1-piperidinyl]methyl]-, hydrochloride (11i) (CA INDEX NAME)

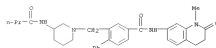


● BC2

HN 813421-84-0 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, 2-[[3-[(1-oxoethyl)amino]-1-piperidinyl]methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl))-,
ethanedisulfonate (11i) (CA INDEX NAME)

CN 1

CHN 813421-83-9
CHP C33 K30 N4 O3



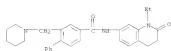
CN 2

CHN 144-62-7
CHP O2 R2 O4



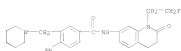
HN 813421-89-5 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, N-(1-ethyl-3,2,3,4-tetrahydro-2-oxo-7-quinolyl)-2-[[1-piperidinyl]methyl]-, hydrochloride (11i) (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



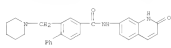
● HCl

XX 811421-90-6 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, N-[(1,2-difluoroethyl)-1,2,3,4-tetrahydro-2-oxo-7-quinolyl]-2-[(1-piperidinylmethyl)-], hydrochloride (111) (CA INDEX NAME)



● HCl

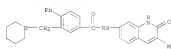
XX 811421-91-9 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, N-[(1,2-dihydro-1,3-dimethyl-2-oxo-7-quinolyl)-2-[(1-piperidinylmethyl)-], hydrochloride (111) (CA INDEX NAME)



● HCl

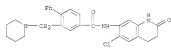
XX 811421-93-1 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, N-[(1,2-dihydro-1,3-dimethyl-2-oxo-7-quinolyl)-2-[(1-piperidinylmethyl)-], hydrochloride (111) (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



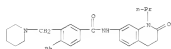
● HCl

XX 811421-01-4 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, N-[(1-chloro-1,2,3,4-tetrahydro-2-oxo-7-quinolyl)-2-[(1-piperidinylmethyl)-], hydrochloride (111) (CA INDEX NAME)



● HCl

XX 811421-02-8 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, 2-[(1-piperidinylmethyl)-N-(1,2,3,4-tetrahydro-2-oxo-1-propyl-7-quinolyl)-], hydrochloride (111) (CA INDEX NAME)

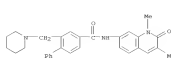


● HCl

XX 811421-08-1 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, 2-[(1-piperidinylmethyl)-N-(1,2,3,4-tetrahydro-1,3-dimethyl-2-oxo-7-quinolyl)-], hydrochloride (111) (CA INDEX NAME)

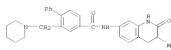
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14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



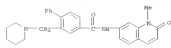
● HCl

XX 811421-95-3 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, 2-[(1-piperidinylmethyl)-N-(1,2,3,4-tetrahydro-3-methyl-2-oxo-7-quinolyl)-], hydrochloride (111) (CA INDEX NAME)



● HCl

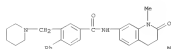
XX 811421-97-5 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, N-[(1,2-dihydro-1-methyl-2-oxo-7-quinolyl)-2-[(1-piperidinylmethyl)-], hydrochloride (111) (CA INDEX NAME)



● HCl

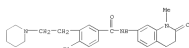
XX 811421-99-7 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, N-[(1,2-dihydro-3-methyl-2-oxo-7-quinolyl)-2-[(1-piperidinylmethyl)-], hydrochloride (111) (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



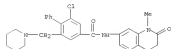
● HCl

XX 811422-02-2 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, 2-[(2-[(1-piperidinyl)ethyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl)-], hydrochloride (111) (CA INDEX NAME)



● HCl

XX 811422-12-7 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, 2-ethoxycarbonyl-1-[(1-piperidinylmethyl)-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl)-], hydrochloride (111) (CA INDEX NAME)



● HCl

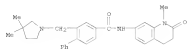
XX 811422-14-9 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, 2-[(1,3-dimethyl-1-pyrrolidinyl)methyl]-N-(1,2,3,4-tetrahydro-3-methyl-2-oxo-7-quinolyl)-, ethanedisulfonate (111) (CA INDEX NAME)

06/16/2008

14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

CH 1

CHN 813422-13-8
CHF C39 H33 N3 O2



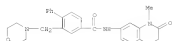
CH 2

CHN 144-62-7
CHF C2 H2 O4



CH 813422-19-3 CAPLUS

CHN 1,1'-Bi(2-methoxyethyl)amino, 2-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]]-, hydrochloride (1:1) (CA INDEX NAME)

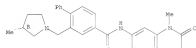


● HCl

CH 813422-19-4 CAPLUS

CHN 1,1'-Bi(2-methoxyethyl)amino, 2-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]]-, hydrochloride (1:1) (CA INDEX NAME)

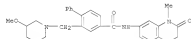
14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

CH 813422-22-9 CAPLUS

CHN 1,1'-Bi(2-methoxyethyl)amino, 2-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]]-, hydrochloride (1:1) (CA INDEX NAME)

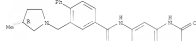


● HCl

CH 813422-23-0 CAPLUS

CHN 1,1'-Bi(2-methoxyethyl)amino, 2-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.



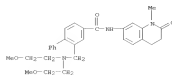
● HCl

CH 813422-25-3 CAPLUS

CHN 1,1'-Bi(2-methoxyethyl)amino, 2-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]]-, hydrochloride (1:1)

Hasbe

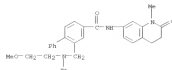
14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

CH 813422-22-7 CAPLUS

CHN 1,1'-Bi(2-methoxyethyl)amino, 2-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]]-, hydrochloride (1:1) (CA INDEX NAME)



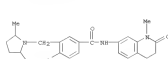
● HCl

CH 813422-23-8 CAPLUS

CHN 1,1'-Bi(2-methoxyethyl)amino, 2-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

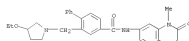
14 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

CH 813422-26-3 CAPLUS

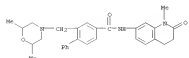
CHN 1,1'-Bi(2-methoxyethyl)amino, 2-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

CH 813422-27-4 CAPLUS

CHN 1,1'-Bi(2-methoxyethyl)amino, 2-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]]-, hydrochloride (1:1) (CA INDEX NAME)

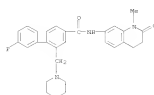


● HCl

CH 813422-28-5 CAPLUS

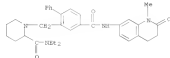
CHN 1,1'-Bi(2-methoxyethyl)amino, 2-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]]-, hydrochloride (1:1) (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

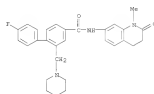
HN 813422-29-4 CAPLOS
 CN 2-[[1,1'-Biphenyl]-4-carboxamide, 2-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]-2-yl]methyl]-, hydrochloride (111) (CA INDEX NAME)



● HCl

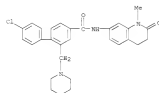
HN 813422-30-9 CAPLOS
 CN [2,2'-Biphenyl]-4-carboxamide, 2-[[1-methyl-1-pyrrolidinyl]methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl)-, hydrochloride (111) (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

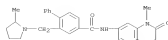
HN 813422-36-3 CAPLOS
 CN [2,2'-Biphenyl]-4-carboxamide, 4'-chloro-2-[[1-piperidinyl]methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl)-, hydrochloride (111) (CA INDEX NAME)



● HCl

HN 813422-37-6 CAPLOS
 CN [2,2'-Biphenyl]-4-carboxamide, 2-[[1-piperidinyl]methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl)-3'-(trifluoromethyl)-, hydrochloride (111) (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

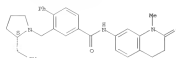
HN 813422-34-3 CAPLOS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl]-2-yl]methyl]-, hydrochloride (111) (CA INDEX NAME)

CN 1

CHN 813422-33-2

CHP C30 H37 N3 O3

Absolute stereochemistry.



CN 2

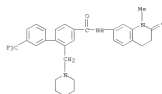
CHN 144-62-7

CHP C2 H2 O4



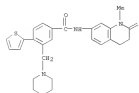
HN 813422-35-4 CAPLOS
 CN [1,1'-Biphenyl]-4-carboxamide, 4'-fluoro-2-[[1-piperidinyl]methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl)-, hydrochloride (111) (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

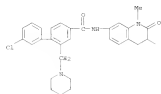
HN 813422-38-7 CAPLOS
 CN Benzamide, 2-[[1-piperidinyl]methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl)-4-[[2-thienyl]-, hydrochloride (111) (CA INDEX NAME)



● HCl

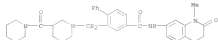
HN 813422-39-8 CAPLOS
 CN [2,2'-Biphenyl]-4-carboxamide, 3'-chloro-2-[[1-piperidinyl]methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolyl)-, hydrochloride (111) (CA INDEX NAME)

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

813422-42-1 CAPLUS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[3-[[1-piperidinylcarbonyl]-1-piperidinyl]methyl]-8-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinoliny)]-, hydrochloride (1:1) (CA INDEX NAME)

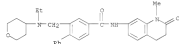


● HCl

813422-41-2 CAPLUS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-{4-morpholinylmethyl}-8-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinoliny)]-, hydrochloride (1:1) (CA INDEX NAME)

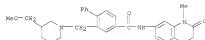
L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

813422-44-7 CAPLUS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[ethyl[tetrahydro-2H-pyran-6-ylamino]methyl]-8-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinoliny)]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

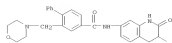
813422-47-8 CAPLUS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[2-methoxymethyl]-1-piperidinylmethyl]-8-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinoliny)]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

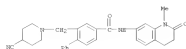
813422-48-9 CAPLUS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[2-(1-piperidinylmethyl)-1-pyrrolidinylmethyl]-8-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinoliny)]-, hydrochloride (1:1) (CA INDEX NAME)

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



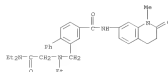
● HCl

813422-42-3 CAPLUS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[4-cyano-1-piperidinylmethyl]-8-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinoliny)]-, hydrochloride (1:1) (CA INDEX NAME)



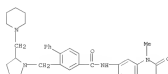
● HCl

813422-45-4 CAPLUS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[2-(diethylamino)-2-oxoethyl]ethylamino]methyl]-8-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinoliny)]-, hydrochloride (1:1) (CA INDEX NAME)



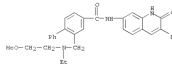
● HCl

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

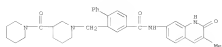
813422-51-4 CAPLUS
 CN [1,1'-Biphenyl]-4-carboxamide, 8-(1,2-dihydro-3-methyl-2-oxo-7-quinoliny)]-2-[[ethyl(2-methoxyethyl)amino]methyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

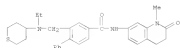
813422-52-5 CAPLUS
 CN [1,1'-Biphenyl]-4-carboxamide, 8-(1,2-dihydro-3-methyl-2-oxo-7-quinoliny)]-2-[[2-(1-piperidinylmethyl)-1-piperidinylmethyl]-, hydrochloride (1:1) (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN (Continued)



● HCl

813422-58-1 CAPLOS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[[ethyl(tetrahydro-2H-thiopyran-4-yl)amino]methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolonyl)-, hydrochloride (1:1)] (CA INDEX NAME)



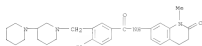
● HCl

813422-61-6 CAPLOS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[[1,3'-bis(piperidin-1'-yl)-2-methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolonyl)-, ethanedioate (1:1)] (CA INDEX NAME)

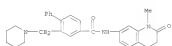
CN 3

CNS 813422-60-5

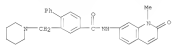
CNP C14 R40 N4 Q2



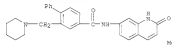
14 ANSWER 2 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN (Continued)



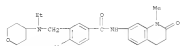
813423-18-6 CAPLOS
 CN [1,1'-Biphenyl]-4-carboxamide, N-(1,2-dihydro-1-methyl-2-oxo-7-quinolonyl)-2-[[1-piperidinylmethyl]- (CA INDEX NAME)



813423-20-0 CAPLOS
 CN [1,1'-Biphenyl]-4-carboxamide, N-(1,2-dihydro-1-methyl-2-oxo-7-quinolonyl)-2-[[1-piperidinylmethyl]- (CA INDEX NAME)



813423-22-2 CAPLOS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[[ethyl(tetrahydro-2H-pyran-4-yl)amino]methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolonyl)- (CA INDEX NAME)



813423-23-3 CAPLOS
 CN Benzamide, 2-[[1-piperidinylmethyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolonyl)-4-(2-thienyl)- (CA INDEX NAME)

14 ANSWER 2 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN (Continued)

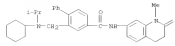
CN 2

CNS 144-62-7

CNP C2 H2 O4

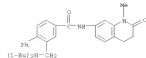


813422-66-1 CAPLOS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[[pyrrolidin-1-ylmethyl]amino]methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolonyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

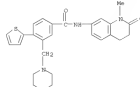
813422-67-2 CAPLOS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[[bis(2-methylpropyl)amino]methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolonyl)-, hydrochloride (1:1) (CA INDEX NAME)



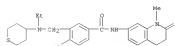
● HCl

813423-16-4 CAPLOS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[1-piperidinylmethyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolonyl)- (CA INDEX NAME)

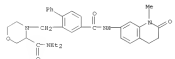
14 ANSWER 2 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN (Continued)



813423-24-4 CAPLOS
 CN [1,1'-Biphenyl]-4-carboxamide, 2-[[[ethyl(tetrahydro-2H-thiopyran-4-yl)amino]methyl]-N-(1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolonyl)- (CA INDEX NAME)

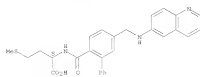


813423-26-6 CAPLOS
 CN 3-Morpholinocarboxamide, N,N-dimethyl-4-[[[4-[[1,2,3,4-tetrahydro-1-methyl-2-oxo-7-quinolonyl]amino]carbonyl][1,1'-biphenyl]-2-yl]methyl]- (CA INDEX NAME)



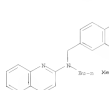
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RECORD.

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)
Absolute stereochemistry.



39 234274-42-5 CAPLUS
CN 1-Methionine, N-[[1-[(butyl-2-quinolinylamino)methyl]-2-methyl-1,1'-biphenyl]-2-yl]oxycarbonyl- (CA INDEX NAME)

Absolute stereochemistry.



3T 234278-29-8P
RI NC (Reactant); SPH (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
[preparation of methionine derivs. as inhibitors of protein isoprenyl transferases]

39 234278-29-8 CAPLUS
CN 1-Methionine, N-[[1-[(butyl-2-quinolinylamino)methyl]-2-methyl-1,1'-biphenyl]-2-yl]oxycarbonyl-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)
ACCESSION NUMBERS: 2000134858 CAPLUS
DOCUMENT NUMBERS: 13183232
TITLE: Preparation of naphthalimidebenzamide derivatives as anticancer agents
INVENTOR(S): Noguchi, Kazuharu; Wakida, Motoji; Suzuki, Kenji; Yamada, Toshi; Arai, Tetsuji
PATENT ASSIGNER(S): Taiho Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 129 pp.
CODING: PEX352
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNTRY: 1
PATENT INFORMATION:

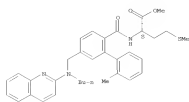
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 200001670	A1	20000113	MO 1999-293754	19990702
W: AT, CA, JP, FR, DE				
NM: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2300069	A1	20000113	CA 1999-230069	19990702
CA 230069	C	20000113		
EP 948363	A	20000124	AM 1999-43963	19990702
AG 72733	B2	20000124		
EP 1024446	A1	20000719	EP 1999-926893	19990702
EP 1024446	B1	20000719		
X: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, NL, SE, MC, PT, SI, SE, FI, CY				
JP 3357662	B2	20001216	JP 2000-558077	19990702
AT 232477	T	20000415	AT 1999-926893	19990702
US 630231	B1	20011029	US 2000-508044	20000303
PRIORITY APPL. INFO.:			JP 1998-189078	A 19980702
			MO 1999-JP3574	M 19990702

OTHER SOURCE(S): MARPAT 332:93221
SI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

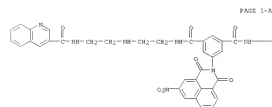
AS 2-[[3-carboxyphenyl]-3-benzene[de]isoquinoline-1,3(10)-diene deriva.
represented by general formula (I) or salts thereof (wherein X3 is
hydrogen, NO₂, OR, NR₂, halo, cyano, CO₂R, CONH₂, nitrilo, alkyl,
trialkylalkyl, alkoxy, etc.; Y is hydrogen or -CON(R₄)-X5-X2; X2 and X4
are each independently hydrogen or alkyl; X1 and X2 are each independently
linear or branched alkylene which may be interrupted by HIR3; O, S,
CONH,
NHCO, R1CO, or SO2 (wherein R3 is hydrogen or the like); X1 is optionally
substituted aryl, heteroaryl, arylalkoxybenzyl,
heteroaryldicarboxylimino, arylamino, heteroarylamino, arylcarbonylamino,
etc.; and X2 is H, optionally substituted aryl, heteroaryl,
arylalkoxybenzyl, heteroaryldicarboxylimino, arylamino,
heteroarylamino, arylcarbonyl-, etc.; n = 1-3), which exhibit high
affinity for TRK, are prepared. Thus, a suspension of 711 mg

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)



REFERENCE COUNT: 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RS FORMAT

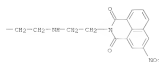
L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)
1-[8-[[2-[[2-(4-methoxyphenyl)amino]ethyl]oxycarbonyl]-5-(10-nitro-1,8-naphthalimido)-5-[3-[[2-piperidinomethyl]oxycarbonyl]benzene hydrochloride, 0.5 mL DMF, and 243 mg 3-nitro-1,8-naphthalic anhydride in 4 mL DMF was stirred at 60° for 30 min to give 72.3% title compd. (11,16).
11,16] in vivo inhibited the proliferation of human melanoma LOX, human pancreatic cancer PDX, human breast cancer MCF, and human stomach cancer A552 cells transplanted s.c. in nude mice by 96.2, 59.6, 71.6, and resp.
IT 254453-86-0P 254453-87-1P 254453-91-1P
254453-92-8P
RI: RAC (Biological activity or effector, except adverse); BSO (Biological)
study, unclassified); SPH (Synthetic preparation); THO (Therapeutic use); BIOG (Biological study); PREP (Preparation); OCS (Uses)
[preparation of naphthalimidebenzamide derivs. as anticancer agents]
CN 1,3-Benzene[de]isoquinoline, 5-[5-nitro-1,3-dioxo-10-benz[de]isoquinolin-2(10H)-yl]-8-[[2-[[2-[[5-nitro-1,3-dioxo-10-benz[de]isoquinolin-2(10H)-yl]ethyl]amino]ethyl]-8'-[[2-[[2-[[3-quinolinylcarboxylamino]ethyl]amino]ethyl]-1,1'-biphenyl]-2-yl]oxycarbonyl- (CA INDEX NAME)



PAGE 3-A

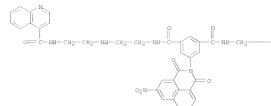
L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-B



HN 254451-87-1 CAPLUS
CN 1,7-Benzenedicarbonyl, 5-(5-nitro-1,3-dioxo-18-benz[de]isoquinolin-2(1H)-yl)-N-bis[2-[2-[12-[14-quinolinylcarbonyl]amino]ethyl]amino]ethyl-], trihydrochloride (PCI) (CA INDEX NAME)

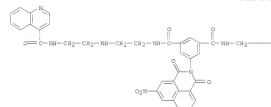
PAGE 1-A



● 8 HCI

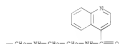
L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-A



● 8 HCI

PAGE 1-B

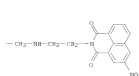


REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RECORD.

FORMAT

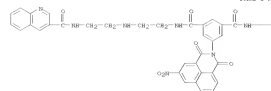
L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-B



HN 254451-91-7 CAPLUS
CN 1,7-Benzenedicarbonyl, 5-(5-nitro-1,3-dioxo-18-benz[de]isoquinolin-2(1H)-yl)-N-bis[2-[2-[12-[14-quinolinylcarbonyl]amino]ethyl]amino]ethyl-], tetrahydrochloride (PCI) (CA INDEX NAME)

PAGE 1-A



● 8 HCI

PAGE 1-B



HN 254451-92-8 CAPLUS
CN 1,7-Benzenedicarbonyl, 5-(5-nitro-1,3-dioxo-18-benz[de]isoquinolin-2(1H)-yl)-N-bis[2-[2-[12-[14-quinolinylcarbonyl]amino]ethyl]amino]ethyl-],

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1997-74949 CAPLUS

DOCUMENT NUMBER: 130-25359

TITLE: Inhibitors of protein isoprenyl transferases
SUBT: Said M.; Hamilton, Andrew D.; August, David J.;

Barri, Kenneth J.; Donner, Bernard G.; Takhoury, Stephen A.; Janowick, David A.; Kalvin, Douglas N.; Laxson, John J.; Liu, Gang; O'Connor, Stephen J.; Rosenbreg, Saul B.; Shen, Wang; Swenson, Raif E.; Sorenson, Bryan F.; Sullivan, Derek M.; Stropplandier, Bruce G.; Taker, Andrew S.; Wasiak, James J.; Wisp, Martin
UNIVERSITY OF PITTSBURGH, USA

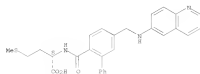
PCY Int. Appl., 848 pp.
CODEN: PF0002

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION: 8

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9850029	A1	19981112	WO 1998-098296	19980507
US 5814, 5815, 5816, 5817, 5818, 5819, 5820, 5821, 5822, 5823, 5824, 5825, 5826, 5827, 5828, 5829, 5830, 5831, 5832, 5833, 5834, 5835, 5836, 5837, 5838, 5839, 5840, 5841, 5842, 5843, 5844, 5845, 5846, 5847, 5848, 5849, 5850, 5851, 5852, 5853, 5854, 5855, 5856, 5857, 5858, 5859, 5860, 5861, 5862, 5863, 5864, 5865, 5866, 5867, 5868, 5869, 5870, 5871, 5872, 5873, 5874, 5875, 5876, 5877, 5878, 5879, 5880, 5881, 5882, 5883, 5884, 5885, 5886, 5887, 5888, 5889, 5890, 5891, 5892, 5893, 5894, 5895, 5896, 5897, 5898, 5899, 5900, 5901, 5902, 5903, 5904, 5905, 5906, 5907, 5908, 5909, 5910, 5911, 5912, 5913, 5914, 5915, 5916, 5917, 5918, 5919, 5920, 5921, 5922, 5923, 5924, 5925, 5926, 5927, 5928, 5929, 5930, 5931, 5932, 5933, 5934, 5935, 5936, 5937, 5938, 5939, 5940, 5941, 5942, 5943, 5944, 5945, 5946, 5947, 5948, 5949, 5950, 5951, 5952, 5953, 5954, 5955, 5956, 5957, 5958, 5959, 5960, 5961, 5962, 5963, 5964, 5965, 5966, 5967, 5968, 5969, 5970, 5971, 5972, 5973, 5974, 5975, 5976, 5977, 5978, 5979, 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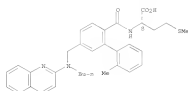
L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)
 study, unclassified); SPN (Synthetic preparation); TEO (Therapeutic use);
 R10L (Biological study); PRED (Preparation); USES (uses)
 [Prep. of inhibitors of protein isoprenyl transferase]
 HN 216121-94-6 CAPLUS
 CN 1-Methionine, N-[[5-[[6-(quinolnylamino)methyl][3,1'-biphenyl]-2-yl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



HN 216121-40-1 CAPLUS
 CN 1-Methionine, N-[[5-[[[butyl-2-quinolnylamino)methyl]-2'-methyl[3,1'-biphenyl]-2-yl]carbonyl]- (CA INDEX NAME)

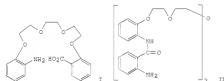
Absolute stereochemistry.



IT 216120-29-SP
 RI: RCT (Reagent); SPN (Synthetic preparation); PREP (Preparation); RACT (Reagent or reagent)
 [Preparation of inhibitors of protein isoprenyl transferase]
 HN 216120-29-8 CAPLUS
 CN 1-Methionine, N-[[5-[[[butyl-2-quinolnylamino)methyl]-2'-methyl[3,1'-biphenyl]-2-yl]carbonyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

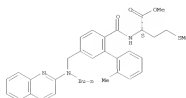
L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)
 ACCESSION NUMBER: 1910171173 CAPLUS
 DOCUMENT NUMBER: 93121173
 ORIGINAL REFERENCE NO.: 9311561,11564
 TITLE: Ligand structure and complexation. LI: Multidentate neutral ligands with variable cavities and pseudocavities
 AUTHOR(S): Sieger, Heinz; Vogtle, Fritz
 CORPORATE SOURCE: Inst. Org. Chem. Biochem., Univ. Bonn, Bonn, D-5300, Fed. Rep. Ger.
 SOURCE: Liebigs Annalen der Chemie (1990), (3), 425-40
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 OTHER SOURCE(S): CASREACT 93171173
 GI:



AS New cyclic and acyclic metal ligands, e.g. I and II, contain repeating diisophterylene glycol ethers and carbamate functions, which allow attractive interactions between single chain segments and with terminal groups. The complexation of Na⁺ and competing cations was studied by 23Na-NMR spectroscopy. Na⁺ was also displaced by neutral mole. such as urea. Critical open-chain ligands and their complexation with alkali and alkaline earth metal salts were described.

IT 74136-81-SP
 RI: SPN (Synthetic preparation); PREP (Preparation)
 [Preparation of]
 HN 74136-81-8 CAPLUS
 CN Rubidium[1+],
 [R₄N⁺, N⁺-tetrakis[2-[2-[2-[2-(8-quinolnyloxy)ethoxy]ethoxy]ethoxy]ethyl]oxy]phenyl]-2,3,5-benzenetri-carboxanide]-, iodide (SCI) (CA INDEX NAME)

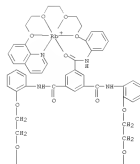
L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)



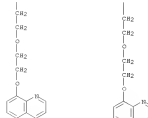
REFERENCE CONT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE SE
 FORMAT

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)

PAGE 1-A



PAGE 2-A



• 1 •

HN 74136-81-5 CAPLUS
 CN Sodium[1+],
 [R₄N⁺, N⁺-tetrakis[2-[2-[2-[2-(8-quinolnyloxy)ethoxy]ethoxy]ethoxy]ethyl]oxy]phenyl]-2,3,5-benzenetri-carboxanide]-, iodide (SCI)

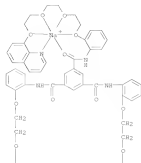
L4 ANDREX 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)
 y[phenyl-1,3,5-benzenetricarboxamide]-, perchlorate (PCl) (CA INDEX
 RANGE)

CM 3

CMH 74136-80-4

CMF C12 872 W6 Na O15

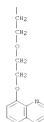
CCS CCS



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L4 ANDREX 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)

PAGE 2-A



CM 2

CMH 14797-T3-0

CMF C1 O4

